

DII. 10010P3.SOL251.JMTK_IP_1.0

**Defense Information Infrastructure (DII)
Common Operating Environment (COE)**

**Installation Procedures (IP) for
Joint Mapping Tool Kit(JMTK)
Version 1.0.0.10P3
for Solaris 2.5.1**

Document Version 1.0

30 October 1997

Prepared for:

**National Imagery and Mapping Agency
ATTN: Ms. Cheryl Blake
4600 Sangamore Road
Bethesda, Maryland 20816-5003**

Prepared by:

**BTG, Inc.
3877 Fairfax Ridge Road
Fairfax, Virginia 22030-7448**

and

**Sterling Software
Information Technology Division
1650 Tysons Blvd., Suite 800
McLean, Virginia 22102**

Table of Contents

1.	Scope	1
1.1	Identification	1
1.2	System Overview.....	1
2.	Referenced Documents.....	1
2.1	Government Documents	1
2.2	Non-government Documents	1
3.	System Environment.....	2
3.1	System Requirements	2
3.1.1	Hardware Requirements	2
3.1.2	Operating System Requirements	2
3.1.3	Kernel Requirements	2
3.2	System and Site Preparations.....	2
3.2.1	System Configuration	2
3.2.2	Operating System Preparation.....	2
3.2.3	Tape/Disk Preparation.....	3
4.	Installation Instructions.....	3
4.1	Media Booting Procedures	3
4.2	Installation Procedures	3
4.3	Installation of Upgrades.....	4
4.4	Installation Verification.....	4
4.5	Initializing the Software.....	4
4.6	List of Changes and Enhancements	4
4.7	Important Considerations.....	4
5.	Notes	4
5.1	Acronyms	4

This page intentionally left blank.

1. Scope

1.1 Identification

This Installation Procedure (IP) documents Joint Mapping Tool Kit (JMTK) , Version 1.0.0.10P3

JMTK Version 1.0.0.10P3 is hosted on the following platform:

- Hardware: Sparc 10/20
Operating System: Solaris 2.5.1
DII COE Kernel: 3.0.0.3 (with patches P2, P3 and P4)

1.2 System Overview

The Joint Mapping Toolkit is the DII COE component segment that provides the core mapping capabilities for the DII COE C4I system.

When distributed by the National Imagery and Mapping Agency (NIMA), Joint Mapping Tool Kit consists of three logically distinct integrated products:

- Joint Mapping Visual (JMV)
- Joint Mapping Analysis (JMA)
- Joint Mapping Spatial Database (JMS)

This software patch applies solely to the visualization component.

Related Documents

- Software Version Description (SVD) for Joint Mapping Tool Kit (JMTK) Version 1.0.0.10P3, 30 October 1997.

2. Referenced Documents

The following documents are referenced elsewhere in this IP:

2.1 Government Documents

None.

2.2 Non-government Documents

- a. *Software Version Description (SVD) for Joint Mapping Tool Kit (JMTK) Version 1.0.0.10P3*, DII.10010P3.SOL251.JMTK_SVD_1.0, 30 October 1997.

3. System Environment

3.1 System Requirements

3.1.1 Hardware Requirements

JMTK Version 1.0.0.10P3 is hosted on the following hardware:

- Sparc 10/20

The following configuration is recommended:

- RAM: 128 MB minimum; 192 optimum
- Disk space: 2 GB
- Swap Space: 300 MB

3.1.2 Operating System Requirements

JMTK Version 1.0.0.10P3 requires the following operating system:

- Solaris 2.5.1 (Sparc 10/20)

3.1.3 Kernel Requirements

JMTK Version 1.0.0.10P3 requires the following DII COE Kernels:

- Sparc 10/20
 - JMTK 1.0.0.10 requires Kernel 3.0.0.3
 - 1.0.0.10P3 update requires Kernel patches 3.0.0.3P2, 3.0.0.3P3 and 3.0.0.3P4

3.2 System and Site Preparations

3.2.1 System Configuration

The following software must be properly installed prior to loading JMTK 1.0.0.10P3:

- appropriate operating system (as described above)
- appropriate DII COE Kernel (as described above)
- JMTK 1.0.0.10

3.2.2 Operating System Preparation

Information needed to prepare the operating system is described in this document:

- *Kernel Installation Guide (Solaris 2.5.1), Version 3.0.0.3, 7 April 1997.*

3.2.3 Tape/Disk Preparation

The following unclassified tapes contain the JMTK 1.0.0.10P3 software.

- 8mm EXABYTE cartridge, intended for Sparc 10/20 hardware environment

4. Installation Instructions

JMTK 1.0.0.10 is a component of a DII 3.1 C4I system. The following installation procedures describe how to install this 1.0.0.10P3 patch software.

4.1 Media Booting Procedures

To prepare a tape for installation:

1. Insert the tape in the DAT drive.
2. Select the System Administration SEGMENT INSTALLER utility.
3. Select the source and click READ CONTENTS. The contents of the tape appear in the SELECT SOFTWARE TO INSTALL portion of the SEGMENT INSTALLER window.

4.2 Installation Procedures

If the system does not contain previously installed software, the operating system (OS) and Kernel, with all patches, must be installed.

1. Install the appropriate OS and Kernel.

Detailed installation instructions for Solaris 2.5.1 are in the *Kernel Installation Guide (Solaris 2.5.1), Version 3.0.0.3*, 7 April 1997.

2. Ensure the appropriate Kernel patches are installed. The Kernel patches are *not* roll-up patches. Each of the patches (for the appropriate OS) must be installed consecutively.

For Solaris: 3.0.0.3 Kernel Patch 2, 3.0.0.3 Kernel Patch 3 and 3.0.0.3 Kernel Patch 4.

3. Ensure Joint Mapping Toolkit (JMTK) is installed (from the DII 3.1 delivery tape):
4. Install the JMTK patch from the patch tape.
 - a. Highlight JMTK Patch 3.
 - b. Click INSTALL.

4.3 Installation of Upgrades

Software previously installed on a system is listed in the CURRENTLY INSTALLED SEGMENTS portion of the INSTALLER window. To install the JMTK Patch 2 upgrade on a system with previously installed software:

1. Ensure the appropriate DII COE Kernel patch is installed.
3.0.0.3 Kernel Patch 4 for Solaris systems.
2. Install JMTK patch from the patch tape.
 - a. Highlight JMTK Patch 3.
 - b. Click INSTALL.
3. The Following info window will appear during the PostInstall processing if UB is installed: “UB MapData not Found; extract it after Install.” At the end of the installation process, execute the following command from the command line:

```
tar xvf /h/COE/Comp/JMTK/data/lostUBMapData.tar
```

This file will not be present if the info window was not displayed during the PostInstall processing during Install.

4.4 Installation Verification

All successfully installed segments are listed in the CURRENTLY INSTALLED SEGMENTS portion of the INSTALLER window.

4.5 Initializing the Software

Reboot the system after the successful installation of all segments.

4.6 List of Changes and Enhancements

This patch contains corrections to Version 1.0.0.10. See *Software Version Description (SVD)* [Section 2.2 (a)] for details.

4.7 Important Considerations

Intellectual property rights to deliverables defined in this document are covered by the copyright license under the clause in DFARS 252.227-7013 (Nov 1995).

5. Notes

5.1 Acronyms

C4I	Command, Control, Communications, Computers, and Intelligence
COE	Common Operating Environment
DAT	Digital Audio Tape
DII	Defense Information Infrastructure
DFARS	Defense Federal Acquisition Regulation Supplement
GB	Gigabyte
HP-UX	Hewlett-Packard UNIX-based Operating System
INRI	Inter-National Research Institute, Inc.
IP	Installation Procedures
JOTS	Joint Operational Tactical System
JMTK-V	Joint Mapping Tool Kit Visualization
LAN	Local Area Network
MB	Megabyte
RAM	Random Access Memory
SAM	System Administrator=s Manual
STR	Software Test Report
SUM	Software User=s Manual
SVD	Software Version Description
TAC-3/TAC-4	Tactical Advanced Computer, Version 3/4
TMS	Tactical Management System
UB	Unified Build
UCP	Universal Communication Processor
WAN	Wide Area Network